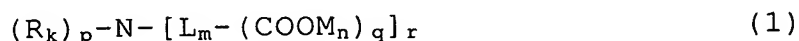


WHAT IS CLAIMED IS:

1. A sheet for ink jet recording, comprising:  
a support; and  
a coloring material-receiving layer containing a mordant  
and a compound represented by the following formula (1):



wherein R represents an alkyl group, an aryl group or a heterocyclic group; when a plural number of Rs are present, the plurality of Rs may be the same or different; at least two of a plurality of R's may be linked with each other to form a cyclic structure; L represents a divalent or higher linking group; M represents a hydrogen atom, an alkali metal cation, an ammonium ion, an organic amine cation, or a negative ion sign; q and r each represents an integer of 1 or more; k and m each represents 0 or an integer of 1 or more; n represents an integer of 1 or more; p represents 0 or an integer of 1 or more; (p+r) is 3 or 4, and when (p+r) is 4, the N atom represents a quaternary ammonium cation and one of the M's represents a negative ion sign.

2. The sheet for ink jet recording as claimed in claim 1, wherein at least one of R and L in the formula (1) contains a hydrocarbon group having 8 or more carbon atoms.

3. The sheet for ink jet recording as claimed in claim 1, wherein the coloring material-receiving layer further contains a water-soluble resin.

4. The sheet for ink jet recording as claimed in claim 3, wherein the water-soluble resin is at least one resin selected from the group consisting of polyvinyl alcohol resins, cellulose resins, resins having an ether bond, resins having a carbamoyl group, resins having a carboxyl group, and gelatins.

5. The sheet for ink jet recording as claimed in claim 1, wherein the coloring material-receiving layer further contains a fine particle.

6. The sheet for ink jet recording as claimed in claim 5, wherein the fine particle is at least one fine particle selected from the group consisting of silica, colloidal silica, alumina and pseudo-boehmite.

7. The sheet for ink jet recording as claimed in claim 3, wherein the coloring material-receiving layer further contains a crosslinking agent capable of crosslinking the

water-soluble resin.

8. The sheet for ink jet recording as claimed in claim 1, wherein the coloring material-receiving layer is a layer obtained by crosslinking a coated layer of a coating solution containing a fine particle, a water-soluble resin and a crosslinking agent, and the crosslinking is performed by applying a basic solution having a pH value of 8 or more to the coated layer, in which the application of the basic solution is performed (1) simultaneously with the coating of the above coating solution, or (2) in the middle of a drying of the coated layer of the coating solution and before the coated layer shows falling-rate-drying.

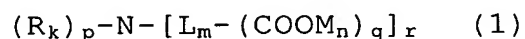
9. The sheet for ink jet recording as claimed in claim 1, wherein the compound represented by the formula (1) is a compound represented by the following formula (2):



wherein R, L and M each has the same meaning as described in claim 1.

10. The sheet for ink jet recording as claimed in claim 7, wherein the crosslinking agent is a boron compound.

11. An ink for ink jet recording, which comprises a dye, water, a water-miscible organic solvent and a compound represented by the following formula (1):



wherein R represents an alkyl group, an aryl group or a heterocyclic group; when a plural number of Rs are present, the plurality of Rs may be the same or different; at least two of a plurality of R's may be linked with each other to form a cyclic structure; L represents a divalent or higher linking group; M represents a hydrogen atom, an alkali metal cation, an ammonium ion, an organic amine cation, or a negative ion sign; q and r each represents an integer of 1 or more; k and m each represents 0 or an integer of 1 or more; n represents an integer of 1 or more; p represents 0 or an integer of 1 or more; (p+r) is 3 or 4, and when (p+r) is 4, the N atom represents a quaternary ammonium cation and one of the M's represents a negative ion sign.

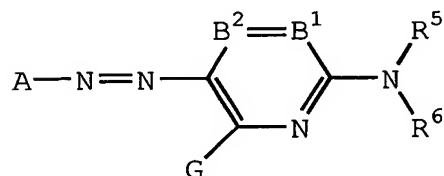
12. The ink for ink jet recording as claimed in claim 11, wherein at least one of R and L in formula (1) contains a hydrocarbon group having 8 or more carbon atoms.

13. The ink for ink jet recording as claimed in claim 11, wherein the compound represented by the formula (1) is a compound represented by the following formula (2):



wherein R, L and M each has the same meaning as described in claim 11.

14. The ink for ink jet recording as claimed in claim 11, wherein the dye includes a compound represented by the following formula (1):



wherein A represents a 5-membered heterocyclic group;

B<sup>1</sup> and B<sup>2</sup> each represents a nitrogen atom, =CR<sup>1</sup>- or -CR<sup>2</sup>=,

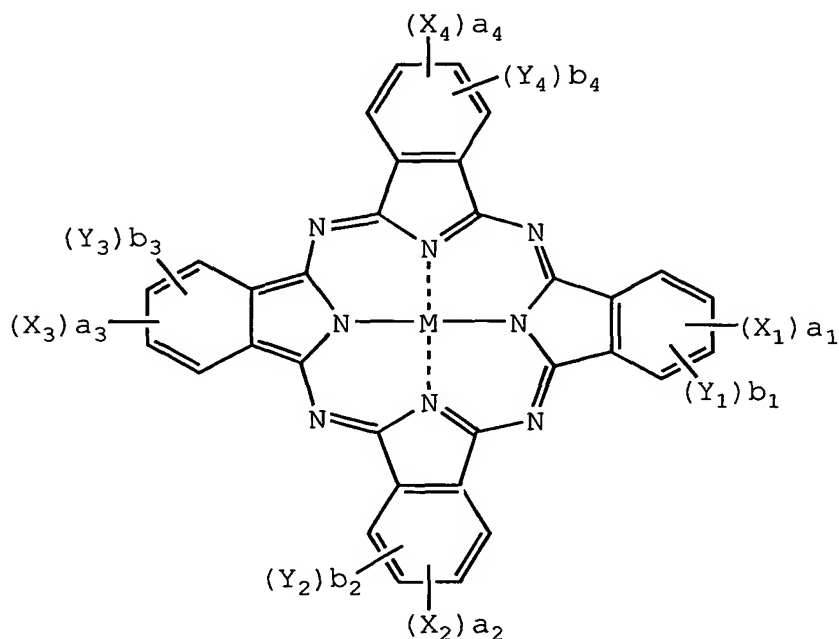
and when either one of  $B^1$  and  $B^2$  represents a nitrogen atom, the other represents  $=CR^1-$  or  $-CR^2=$ ;  $R^5$  and  $R^6$  each represents a hydrogen atom, an aliphatic group, an aromatic group, a heterocyclic group, an acyl group, an alkoxycarbonyl group, an aryloxy carbonyl group, a carbamoyl group, an alkylsulfonyl group, an arylsulfonyl group or a sulfamoyl group, and the hydrogen atom of each substituent may be substituted;

$G$ ,  $R^1$  and  $R^2$  each independently represents a hydrogen atom, a halogen atom, an aliphatic group, an aromatic group, a heterocyclic group, a cyano group, a carboxyl group, a carbamoyl group, an alkoxycarbonyl group, an aryloxy carbonyl group, a heterocyclic oxycarbonyl group, an acyl group, a hydroxy group, an alkoxy group, an aryloxy group, a heterocyclic oxy group, a silyloxy group, an acyloxy group, a carbamoyloxy group, an alkoxycarbonyloxy group, an aryloxy carbonyloxy group, an amino group, an acylamino group, a ureido group, a sulfamoylamino group, an alkoxycarbonylamino group, an aryloxy carbonylamino group, an alkylsulfonylamino group, an arylsulfonylamino group, a heterocyclic sulfonylamino group, a nitro group, an alkylthio group, an arylthio group, a heterocyclic thio group, an alkylsulfonyl group, an arylsulfonyl group, a heterocyclic sulfonyl group, an alkylsulfinyl group, an arylsulfinyl group, a heterocyclic sulfinyl group, a sulfamoyl group or a sulfo

group, and the hydrogen atom of each substituent may be substituted;

$R^1$  and  $R^5$ , or  $R^5$  and  $R^6$  may combine to form a 5- or 6-membered ring.

15. The ink for inkjet recording as claimed in claim 11, wherein the dye includes a compound represented by the following formula (I):



wherein  $X_1$ ,  $X_2$ ,  $X_3$  and  $X_4$  each represents  $-SO-Z$ ,  $-SO_2-Z$ ,  $-SO_2NR_1R_2$ , a sulfo group,  $-CONR_1R_2$  or  $-CO_2R_1$ ;  $Z$  represents an alkyl group, a cycloalkyl group, an alkenyl group, an aralkyl group, an aryl group or a heterocyclic group, which are substituted or

unsubstituted;  $R_1$  and  $R_2$  each represents a hydrogen atom, an alkyl group, a cycloalkyl group, an alkenyl group, an aralkyl group, an aryl group or a heterocyclic group, which are substituted or unsubstituted; when a plural number of Zs are present, the plurality of Zs may be the same or different;  $Y_1$ ,  $Y_2$ ,  $Y_3$  and  $Y_4$  each represents a monovalent substituent; when a plural number of  $X_1$ s,  $X_2$ s,  $X_3$ s,  $X_4$ s,  $Y_1$ s,  $Y_2$ s,  $Y_3$ s or  $Y_4$ s are present, the plurality of  $X_1$ s,  $X_2$ s,  $X_3$ s,  $X_4$ s,  $Y_1$ s,  $Y_2$ s,  $Y_3$ s or  $Y_4$ s may be the same or different; M represents a hydrogen atom, a metal atom, or an oxide, hydroxide or halide thereof;  $a_1$  to  $a_4$  and  $b_1$  to  $b_4$  each represents the number of substituent  $X_1$ ,  $X_2$ ,  $X_3$ ,  $X_4$ ,  $Y_1$ ,  $Y_2$ ,  $Y_3$  or  $Y_4$ , and  $a_1$  to  $a_4$  each represents an integer of 0 to 4 but all of  $a_1$  to  $a_4$  are not 0 at the same time;  $b_1$  to  $b_4$  each represents an integer of 0 to 4.

16. A concentrated ink composition comprising a dye, water, and a compound represented by the following formula (1):



wherein R represents an alkyl group, an aryl group or a heterocyclic group; when a plural number of Rs are present,



the plurality of Rs may be the same or different; at least two of a plurality of R's may be linked with each other to form a cyclic structure; L represents a divalent or higher linking group; M represents a hydrogen atom, an alkali metal cation, an ammonium ion, an organic amine cation, or a negative ion sign; q and r each represents an integer of 1 or more; k and m each represents 0 or an integer of 1 or more; n represents an integer of 1 or more; p represents 0 or an integer of 1 or more; (p+r) is 3 or 4, and when (p+r) is 4, the N atom represents a quaternary ammonium cation and one of the M's represents a negative ion sign.

17. The concentrated ink composition as claimed in claim 16, which comprises the compound represented by the formula (1) in an amount of from 0.001 to 30 wt%.

18. The concentrated ink composition as claimed in claim 16, which comprises the dye in an amount of from 0.01 to 50 wt%.

19. A method for manufacturing an ink for ink jet recording, which comprises manufacturing the ink by using the concentrated ink composition as claimed in claim 16.

20. An ink set for ink jet recording, which comprises the ink for ink jet recording as claimed in claim 11.

21. An ink jet recording method which comprises recording an image by using the sheet for ink jet recording as claimed in claim 1.

22. An ink jet recording method which comprises recording an image by using the ink for ink jet recording as claimed in claim 11 with an ink jet printer.

23. An ink jet recording method which comprises recording an image by using the ink set as claimed in claim 20 with an ink jet printer.